



Missouri  
Department of  
Natural Resources

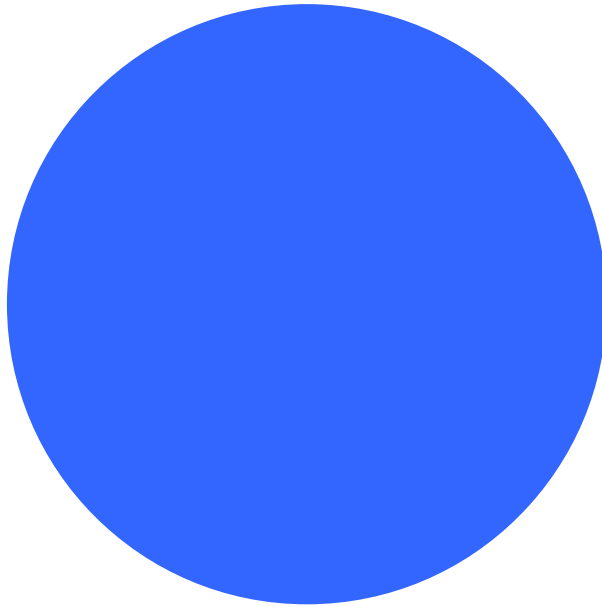
**City of Vandalia**  
**Utility-Owned Electric Generation and Emissions in 2009**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power						
Oil-fired power	409	100.00%		37	100.00%	
Nuclear power						
Other non-renewable power						
Non-renewable total	409	100.00%	100.00%	37	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	409		100.00%	37		100.00%

Fuel Type	Physical Units	Number of Units
<b>Distillate Fuel Oil</b>	Barrels	72



### Net Generation by Fuel Type, 2009 for City of Vandalia



■ Oil-fired power: 100.00%



**Emissions from Electricity Generated in 2009: City of Vandalia**

Plant	Carbon Dioxide (CO <sub>2</sub> ) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH <sub>3</sub> ) (Tons)	Nitrogen Oxides (NO <sub>x</sub> ) (Tons)	Sulfur Dioxides (SO <sub>2</sub> ) (Tons)
<b>City of Vandalia</b>	5.81	NV	NV	NV	NV
<b>Vandalia</b>	5.81	NV	NV	NV	NV

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM <sub>10</sub> Total) (Tons)	Fine Particulate Matter (PM <sub>2.5</sub> Total) (Tons)	Mercury (Hg) (LBS)
<b>City of Vandalia</b>	NV	NV	NV	NV

'NV' = Emissions value not available.

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



**Pollution controls installed on plants operated by City of Vandalia**

<b>SO2 Controls</b>			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
<b>Vandalia</b>	No SO2 Controls Installed		

<b>NOX Controls</b>				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
<b>Vandalia</b>	No NOX Controls Installed			



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**Missouri Power plants owned and operated by City of Vandalia in 2009**

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
<b>Vandalia</b>	Audrain	Distillate Fuel Oil	9	37

**Data Sources**

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)  
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy  
[http://www.eia.gov/cneaf/electricity/page/eia906\\_920.html](http://www.eia.gov/cneaf/electricity/page/eia906_920.html)